PCT

REQUEST

For receiving Office use only	-
International Application No.	
International Filing Date	
	i
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference P97-28 (if desired) (12 characters maximum) Box No. I TITLE OF INVENTION CLEANING GAS APPLICANT Box No. II Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.) This person is also inventor. Telephone No. Name : DAIKIN INDUSTRIES, LTD. Address: Umeda Center Building, 4-12, Nakazaki-nishi Facsimile No. 2-chome, Kita-ku, Osaka-shi, Osaka 530, Japan Teleprinter No. State (i.e. country) of nationality: State (i.e. country) of residence: JAPAN JAPAN This person is applicant all designated States except the United States of America the United States the States indicated in all designated the Supplemental Box for the purposes of: of America only Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.) This person is: applicant only Name : ITANO Mitsushi applicant and inventor c/o Yodogawa Seisakusho, DAIKIN INDUSTRIES, Address: inventor only (If this check-box is marked, do not fill in below.) LTD., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566, Japan State (i.e. country) of nationality: State (i.e. country) of residence: **JAPAN** JAPAN This person is applicant all designated States all designated States except the United States of America the United States the States indicated in the Supplemental Box for the purposes of: of America only Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf agent common representative of the applicant(s) before the competent International Authorities as: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) Name and address: Telephone No. 06-203-0941 : SAEGUSA Eiji Resigtration Number: 6521 Name Facsimile No. Address : Kitahama TNK Building, 1-7-1, Dosho-machi, 06-222-1068 Chuo-ku, Osaka-shi, OSAKA 541, JAPAN Teleprinter No.

Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to

indicate a special address to which correspondence should be sent.

Box i	Y0.V	DESIGNATION OF STATES				
The	ollow	ing designations are hereby made under Rule 4.9(a) (m	ark tl	ie	applicable check-boxes; at least one must be marked);
Ī	nal P	•				
		ARIPO Patent: GH Ghana, KE Kenya, LS L	esoth	10, I	M	W Malawi, SD Sudan, SZ Swaziland, UG Uganda,
	EA	ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State				
		of the Eurasian Patent Convention and of the PCT				·
123	EP	European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT				
	OA	GA Gabon, GN Guinea, ML Mali, MR Mauritania, which is a member State of OAPI and a Contracting	NE State	Nige of t	r, he	Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, SN Senegal, TD Chad, TG Togo, and any other State PCT (if other kind of protection or treatment desired, specify
Matia	I D					
L/SG0		atent (if other kind of protection or treatment desired Albania	<u> </u>			Latvia
ä		Armenia				
Н		Austria	=			Republic of Moldova
=		Australia				•
Ц				IAT	r.	The former Yugoslav Republic of Macedonia
		Azerbaijan		3.71		M
		Bosnia and Herzegovina				Mongolia
		Barbados				Malawi
		Bulgaria				Mexico
		Brazil				Norway
	_	Belarus				New Zealand
		Canada				Poland
		and LI Switzerland and Liechtenstein		PT		Portugal
Ū ⊠		China	\Box			Romania
		Cuba		ŔŰ	J	Russian Federation
	CZ	Czech Republic		SD)	Sudan
	DE	Germany		SE		Sweden
	DK	Denmark		SG	,	Singapore
	EE	Estonia		SI		Slovenia
	ES	Spain		SK	:	Slovakia
	FI	Finland		SL		Sierra Leone
	GB	United Kingdom		TJ		Tajikistan
		Georgia				Turkmenistan
	GH	Ghana		TR		Turkey
	HU	Hungary		TT		Trinidad and Tobago
	IL	Israel		UA		Ukraine
	IS	Iceland		UG		Uganda
	JP	Japan	$oldsymbol{X}$	US		United States of America
	KE	Kenya				
	KG	Kyrgyzstan		UZ	•	Uzbekistan
	KP	Democratic People's Republic of Korea		VN		Viet Nam
				YU	Ī	Yugoslavia
Ø		Republic of Korea				Zimbabwe
		Kazakstan	Che	ck-b	ox al	tes reserved for designating States (for the purposes of patent) which have become party to the PCT after
		Saint Lucia	issu	iance	0	f this sheet:
	LK	Sri Lanka				
ō	LR	Liberia				
	LS	Lesotho			:·.	
		Lithuania				•••••
	LU	Luxembourg				

In addition to the designations made above, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except the designation(s) of

The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed

The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet need not be included in the request.

Use this box in the following cases:

If, in any of the Boxes, the space is insufficient to furnish all the information:

in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available:
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked:
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or (iii) for the purposes of the United States of America:
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents:
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "Continuation" or "Continuationin-part":
- (vi) if there are more than three earlier applications whose priority is claimed:
- If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning non-prejudicial disclosures or exceptions to lack of novelty:

in such case, write "Continuation of Box No..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient;

in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below;

in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, Furgness of which the named and and an armone of which the named and armone in the named and armone of which the named armone in the named armone of which the named armone in the name of the name o European or OAPI patent) for the purposes of which the named person is applicant;

in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI natent) for the numbers of which the named name is inventor. OAPI patent) for the purposes of which the named person is inventor;

in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;

in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.

in such case, write "Statement Concerning Non-Prejudicial Disclosures or Exceptions to Lack of Novelty" and furnish that statement below.

CONTINUATION OF BOX NO.IV

: KAKEHI Hiromichi Name

The same address as box IV

Name : OHARA Takeshi

The same address as box IV

Registration Number: 7651

Registration Number: 8642

Box No. VI PRIORITY CLAIM Further priority claims are indicated in the Supplemental Box						
The priority of the following ea	rlier application(s	i) is hereby clai	med:			
Country (in which, or for which, the application was filed)		g Date nth/year)	Applic	ation No.	Office of filing (only for regional or international application)	
item (1) Japan	July 1 (10/07	0, 1996 /1996)	Patent Ar No. 18051	plication .8/1996		
item (2)		,,				
item (3)						
Mark the following check-box if the capplication is the receiving Office (a The receiving Office is he Bureau a certified copy o	fee may be required)	:	•		urposes of the present international	
Box No. VII . INTERNATIO	NAL SEARCHI	NG AUTHOR	ITY			
Choice of International Sear are competent to carry out the intern	national search, indi	case the Authority	chosen; the two-letter	code may be used):	ISA / JP	
Earlier search Fill in where a se out or requested and the Authority is such search or request either by ref Country (or regional Office):	s now requested to be erence to the releva	ase the internatio	nal search. to the extent	possible, on the res	ulis of that eartier search. Identify	
Box No. VIII CHECK LIST						
the following number of shee	conv of general separate indications concerning					
3. claims : 2 4. abstract : 1	3. claims : 2 sheets 3 statement explaining 7 nucleotide and/or amino acid					
	5. drawings : 0 sheets 4. priority document(s) 8. other (specify):					
Total: 11 sheets as item(s): Figure No of the drawings (if any) should accompany the abstract when it is published.						
Box No. IX SIGNATURE	OF APPLICANT	OR AGENT				
Box No. IX SIGNATURE OF APPLICANT OR AGENT Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).						
Eiji SAEGUSA		Hiromic	chi KAKEHI	Takes	hi OHARA	
seal			seal		,seal	
1. Date of actual receipt of the purported international application: 2. Drawings:						
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:						
4. Date of timely receipt of the required corrections under PCT Article 11(2):						
5. International Searching Auti specified by the applicant:	hority ISA /	JР		l of search copy of h fee is paid	lelayed	
Date of receipt of the record copy by the International Bureau use only						

300 Res'd PCT/PTO 11 JAN 1999

Date

VERIFICATION OF A TRANSLATION

I, the below named translator, hereby declare that:
My name and post office address are as stated below:

That I am knowledgeable in the English language and in the language in which the below identified international application was filed, and that I believe the English translation of the international application No. ___PCT/JP97/02369____ is a true and complete translation of the above identified international application as filed.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

	December 21, 1998
	,
Full name of the translator	Yumi KUIME
Turi name of the standards	
Signature of the translator	Juni Krijime
	V
Post Office Address <u>Kitahama TNK</u>	Building, 7-1, Dosho-machi
	no-ku, Osaka-shi, Osaka 541-
<u>0045, Japan</u>	





PCT

国際調査報告

(法8条、法施行規則第40、41条) [PCT18条、PCT規則43、44]

出願人又は代理人 の書類記号 P97-28	今後の手続きについては、		の送付通知様式(PCT/ISA/220) 参照すること。				
国際出願番号 PCT/JP97/02369	国際出願日 (日.月.年) 09.07.		優先日 (日.月.年) 10.07.96·				
出願人 (氏名又は名称) ダイキン工	萨株式会社						
国際調査機関が作成したこの国際調査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。 この写しは国際事務局にも送付される。							
この国際調査報告は、全部で3_	_ ペ ージである。		* <u>*</u>				
□ この調査報告に引用された先行も	技術文献の写しも添付されて	こいる。 .					
1. 請求の範囲の一部の調査が	ができない(第I欄参照)。	,					
2. 発明の単一性が欠如してい	\る(第Ⅱ欄参照)。	,					
3. □ この国際出願は、ヌクレス 査を行った。	トチド及び/又はアミノ酸酯	2列リストを含	んでおり、次の配列リストに基づき国際調				
□ この国際出願と共に提出	Hされたもの		•				
出願人がこの国際出願とは別に提出したもの							
しかし、出願時のほ	書際出願の開示の範囲を越え	1る事項を含ま	ない旨を記載した書面が添付されていない				
□ この国際調査機関が審接	きえたもの						
4. 発明の名称は 🛛 出願人が扱	是出したものを承認する。						
□ 次に示する	こうに国際調査機関が作成し	た。					
5. 要約は 🛛 出願人が扱	是出したものを承認する。						
査機関が作			PCT規則38.2(b))の規定により国際調 発送の日から1カ月以内にこの国際調査機				
6. 要約費とともに公表される図は、 第図とする。□ 出願人が示	ゃしたとおりである。	[※ なし				
. 出願人は図	図を示さなかった。						
本図は発明	flの特徴を一層よく表してv	いる。					



発明の属する分野の分類(国際特許分類(IPC))

Int. C16 H01L21/3065, H01L21/304, 341, H01L21/205, H01L21/31, C23C16/44, C23C16/50, C07C19/08, C07C49/167, C07D303/08

B. 調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

Int. C1 HO1L21/3065, H01L21/304, 341, H01L21/205, H01L21/31, C23C16/44, C23C16/50, C07C19/08, C07C49/167,

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報

1960-1994

日本国公開実用新案公報 1971-1994

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

関連すると認められる文献 C.

引用文献の	関連する 請求の範囲の番号
カテゴリー* 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	請求の範囲の番号
No. 1 Albitative Date of the service bearing a service and the service of the ser	
→ PX JP08-291299A (セントラル硝子株式会社),5.11月.1996(05.11.96),第1欄第18-19 1	1, 4-6, 9, 10
行, 第7,8欄 (ファミリーなし)	
▼ JP60-77429A(旭硝子株式会社),2.5月.1985(02.05.85),第2頁右下欄第15行-第 1	1-10
3 頁左上欄第 1 4 行 & US4581101A & EP140201A	•
Y JP55-149643A (ザ・パーキン・エルマー・コーポレーション),21.11月.1980(21.11. 1	1, 4-6, 9, 10
80),第1頁右下欄第1行 & US4260649A & GB2048786B	
Y JP04-346428A (ソニー株式会社),2.12月.1992(02.12.92),第1頁右下欄 (ファミリ 1	1, 2, 5 - 7, 10
ーなし)	
	1-10
行 (ファミリーなし)	
★ A JP09-137274A (名古屋大学長),27.5月.1997(27.05.97),第8頁右欄第48行-第9 1	1-10
) 頁左欄第10行(ファミリーなし)	

区欄の続きにも文献が列挙されている。

□ パテントファミリーに関する別紙を参照。

- * 引用文献のカテゴリー
- 「A」特に関連のある文献ではなく、一般的技術水準を示す
- 「E」先行文献ではあるが、国際出願日以後に公表されたも
- 「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用する 文献(理由を付す)
- 「〇」ロ頭による開示、使用、展示等に言及する文献
- 「P」国際出願日前で、かつ優先権の主張の基礎となる出願

- の日の後に公表された文献
- 「T」国際出願日又は優先日後に公表された文献であって て出願と矛盾するものではなく、発明の原理又は理 論の理解のために引用するもの
- 「X」特に関連のある文献であって、当該文献のみで発明 の新規性又は進歩性がないと考えられるもの
- 「ソ」特に関連のある文献であって、当該文献と他の1以 上の文献との、当業者にとって自明である組合せに よって進歩性がないと考えられるもの
- 「&」同一パテントファミリー文献

国際調査を完了した日

07.10.97

国際調査報告の発送日

国際調査機関の名称及びあて先

日本国特許庁(ISA/JP)

郵便番号100

東京都千代田区霞が関三丁目4番3号

特許庁審査官(権限のある職員) 髙木 康晴

9275

電話番号 03-3581-1101 内線 3462

国際調査報告

C(続き).	関連すると認められる文献	
引用文献の		関連する
カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 JP09-129612A (東京エレクトロン株式会社), 16.5月.1997 (16.05.97),第2頁左欄	請求の範囲の番号
Ø EA	JPU9-129612A (東京エレクトロン休式芸社) ,16.5月.1997(16.05.97), 第2頁左欄 & EP776032A	1-10
ΆA	JP09-36091A (株式会社東芝),7.2月.1997(07.02.97),第2頁左欄第2-28行 & TW302509A	1-10
≯ A	JP04-56770A (日立電子エンジニアリング株式会社),24.2月.1992(24.02.92),第1頁 左下欄 (ファミリーなし)	1-10
A	JP05-267256A (シーメンス アクチエンゲゼルシャフト),15.10月.1993(15.10.93),	1-10
	& EP553469A3	, .
		,
	· .	5
al R		
1		
	•	
	·	

09/214708-17XA

PATENT COOPERATION TREATY

1746

PCT

PC

Translation

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P97-28 See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/JP97/02369	International filing date (Priority date (day/month/year) 10 July 1996 (10.07.1996)		
International Patent Classification (IPC) or national classification and IPC H01L 21/3065, H01L21/304, H01L21/205, H01L21/31, C23C 16/44, C23C16/50, C07C 19/08, C07C49/167, C07D 303/08					
Applicant	DAIKIN INDUST	TRIES, LTD.			
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.					
	Live to the following items:				
Basis of the report					
II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Lack of unity of invention					
V Reasoned stateme	Bases and statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;				
VI Certain document					
T					
VIII Certain observations on the international application					
Date of submission of the demand		Date of completion			
08 December 1997 (08.	12.1997)	17	August 1998 (17.08.1998)		
Name and mailing address of the IPEA/JP		Authorized officer			
Facsimile No		Telephone No.			

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP97/02369

I. Basis of the report							
1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):							
the international application as originally filed.							
the description,	pages	, as originally filed,					
	pages	, filed with the demand,					
	pages	, filed with the letter of,					
	pages	, filed with the letter of					
the claims,	Nos.	, as originally filed,					
		, as amended under Article 19,					
	Nos	_ , filed with the demand,					
		, filed with the letter of,					
	Nos	_ , filed with the letter of					
the drawings,	sheets/fig	_ , as originally filed,					
	sheets/fig						
		_ , filed with the letter of ,					
	sheets/fig	_ , filed with the letter of					
2. The amendments have resul	ted in the cancellation of:						
the description,	pages						
the claims,	Nos.						
the drawings,	sheets/fig						
_		the state of the s					
3. This report has been to go beyond the disc	established as if (some of) the ar closure as filed, as indicated in th	nendments had not been made, since they have been considered ne Supplemental Box (Rule 70.2(c)).					
_							
4. Additional observations, if	necessary:						
		·					
- ·		•					

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Claims

PCT/JP97/02369

NO

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Statement					
Novelty (N)	Claims	2,7,8	YES		
	Claims	1,3-6,9,10	NO		
Inventive step (IS)	Claims		YES		
• • •	Claims	1-10	NO		
Industrial applicability (IA)	Claims	1-10	YES		

2. Citations and explanations

Claims 1, 4-6, 9 and 10

In document 1 [JP, 08-291299, A (Central Glass Co., Ltd.) 5 November 1996 (0.511.96)] CF₃COCF₃ is listed as a cleaning gas, and therefore the subject matter of Claims 1, 4-6, 9, and 10 of the invention does not appear to be novel.

Claims 1, 3, and 5

In document 2 [JP, 60-77429, A (Asahi Glass Co., Ltd.) 2 May 1985 (02.05.85) line 8, lower right column, page 2 to line 14, upper left column, page 3] CF₃CFCF₂O is listed as a cleaning gas, and therefore the subject matter of Claims 1, 3, and 5 does not appear to be novel.

Claims 6, 8, and 10

With respect to the subject matter in Claims 6, 8, and 10 of the invention, the application of the CF₃CFCF₂O cleaning gas disclosed in document 2 above to the cleaning of plasma CVD chambers can easily be arrived at by persons skilled in the art.

Claims 1-10

In document 3 [JP, 55-149643, A (The Perkin-Elmer Corp.) 21 November 1980 (21.11.80), line 1, lower right column, page 1], document 4 [JP 04-346428, A (Sony Corp.) 2 December 1992 (02.12.92), lower left column, page 1] and document 5 [JP, 06-163476, A (Sony Corp.) 10 June 1994 (10.06.94) lines 28 to 49, right column, page 2] CF₃COCF₃ and a linear unsaturated fluorocarbon C₃F₆ are disclosed as etching gases, and the use of these gases as cleaning gases such as those described in document 2 can easily be arrived at by persons skilled in the art.

PATENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU					
PCT	To:					
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE					
Date of mailing: 15 January 1998 (15.01.98)	in its capacity as elected Office					
International application No.: PCT/JP97/02369	Applicant's or agent's file reference: P97-28					
International filing date: 09 July 1997 (09.07.97)	Priority date: 10 July 1996 (10.07.96)					
Applicant: ITANO, Mitsushi						
1. The designated Office is hereby notified of its election made: X in the demand filed with the International preliminary Examining Authority on: 08 December 1997 (08.12.97)						
The International Bureau of WIPO	Authorized officer:					
34, chemin des Colombettes 1211 Geneva 20, Switzerland	J. Zahra					

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35